

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
	)	
Marc ALAIA <i>et al.</i>	)	
	)	
Serial No.: 09/252,790	)	Group Art Unit: 2761
	)	
Filed: February 19, 1999	)	Examiner: Unassigned
	)	
For: METHOD AND SYSTEM FOR	)	
CONDUCTING ELECTRONIC	)	
AUCTIONS	)	

Assistant Commissioner for Patents  
Washington, D.C. 20231

**DECLARATION FOR PATENT APPLICATION**

Sir:

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am an original, first, and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled **Method and System for Conducting Electronic Auctions**, the specification of which was filed on February 19, 1999.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby declare that all statements made herein of my knowledge are true and that all statements made of information and belief are believed to be true; and further that these statements were made with a knowledge that willful false statements in like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code

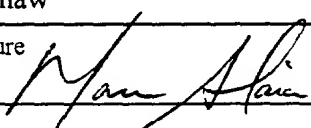
**PATENT**

ATTORNEY DOCKET NO.: 046700-5004

APPLICATION NO. 09/252,790

Page 2

and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

INVENTOR 1		
Family Name ALAIA	First Given Name Marc	Second Given Name
City Glenshaw	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 113 Grandview Avenue	City Glenshaw	State Pennsylvania 15116
Date April 6, 1999	Signature 	

INVENTOR 2		
Family Name BECKER	First Given Name David	Second Given Name J.
City Sewickley	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 22 Sewickley Hills Drive	City Sewickley	State Pennsylvania 15143
Date	Signature	

INVENTOR 3		
Family Name BERNARD	First Given Name Anthony	Second Given Name F.
City Wexford	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 2518 Lindenwood Drive	City Wexford	State Pennsylvania 15090
Date	Signature	

**PATENT**

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Page 3

<b>INVENTOR 4</b>		
Family Name <b>HECKMANN</b>	First Given Name <b>Daniel</b>	Second Given Name <b>C.</b>
City <b>Pittsburgh</b>	State / Country <b>Pennsylvania, U.S.A.</b>	Citizenship <b>U.S.A.</b>
Post Office Address <b>4889 East Willock Road</b>	City <b>Pittsburgh</b>	State <b>Pennsylvania 15227</b>
Date	Signature	

<b>INVENTOR 5</b>		
Family Name <b>KINNEY, JR.</b>	First Given Name <b>Sam</b>	Second Given Name <b>E.</b>
City <b>Sewickley</b>	State / Country <b>Pennsylvania, U.S.A.</b>	Citizenship <b>U.S.A.</b>
Post Office Address <b>314 Maple Lane</b>	City <b>Sewickley</b>	State <b>Pennsylvania 15143</b>
Date	Signature	

<b>INVENTOR 6</b>		
Family Name <b>MEAKEM</b>	First Given Name <b>Glen</b>	Second Given Name <b>T.</b>
City <b>Sewickley</b>	State / Country <b>Pennsylvania, U.S.A.</b>	Citizenship <b>U.S.A.</b>
Post Office Address <b>703 Cochran Street</b>	City <b>Sewickley</b>	State <b>Pennsylvania 15143</b>
Date	Signature	

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<b>INVENTOR 7</b>		
Family Name <b>RAGO</b>	First Given Name <b>Vincent</b>	Second Given Name <b>F.</b>
City <b>Pittsburgh</b>	State / Country <b>Pennsylvania, U.S.A.</b>	Citizenship <b>U.S.A.</b>
Post Office Address <b>15 Roxbury Road</b>	City <b>Pittsburgh</b>	State <b>Pennsylvania 15221</b>
Date	Signature	

<b>INVENTOR 8</b>		
Family Name <b>RENEAU</b>	First Given Name <b>Jason</b>	Second Given Name
City <b>Boston</b>	State / Country <b>Massachusetts, U.S.A.</b>	Citizenship <b>U.S.A.</b>
Post Office Address <b>403 Marlborough Street</b>	City <b>Boston</b>	State <b>Massachusetts 02115</b>
Date	Signature	

<b>INVENTOR 9</b>		
Family Name <b>ROBERTS</b>	First Given Name <b>Frederick</b>	Second Given Name <b>W.</b>
City <b>Pittsburgh</b>	State / Country <b>Pennsylvania, U.S.A.</b>	Citizenship <b>U.S.A.</b>
Post Office Address <b>5 Grandview Avenue, Apt. 803</b>	City <b>Pittsburgh</b>	State <b>Pennsylvania 15221</b>
Date	Signature	

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<b>INVENTOR 10</b>		
Family Name <b>RUPP</b>	First Given Name <b>William</b>	Second Given Name <b>D.</b>
City <b>Pittsburgh</b>	State / Country <b>Pennsylvania, U.S.A.</b>	Citizenship <b>U.S.A.</b>
Post Office Address <b>2151 Cayuga Drive</b>	City <b>Pittsburgh</b>	State <b>Pennsylvania 15239</b>
Date	Signature	

<b>INVENTOR 11</b>		
Family Name <b>STEVENS</b>	First Given Name <b>Robert</b>	Second Given Name <b>G.</b>
City <b>Pittsburgh</b>	State / Country <b>Pennsylvania, U.S.A.</b>	Citizenship <b>U.S.A.</b>
Post Office Address <b>5518 Ellsworth Avenue, Apt. 1</b>	City <b>Pittsburgh</b>	State <b>Pennsylvania 15232</b>
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and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

<b>INVENTOR 1</b>		
Family Name <b>ALAIA</b>	First Given Name <b>Marc</b>	Second Given Name
City <b>Glenshaw</b>	State / Country <b>Pennsylvania, U.S.A.</b>	Citizenship <b>U.S.A.</b>
Post Office Address <b>113 Grandview Avenue</b>	City <b>Glenshaw</b>	State <b>Pennsylvania 15116</b>
Date	Signature	

<b>INVENTOR 2</b>		
Family Name <b>BECKER</b>	First Given Name <b>David</b>	Second Given Name <b>J.</b>
City <b>Sewickley</b>	State / Country <b>Pennsylvania, U.S.A.</b>	Citizenship <b>U.S.A.</b>
Post Office Address <b>22 Sewickley Hills Drive</b>	City <b>Sewickley</b>	State <b>Pennsylvania 15143</b>
Date	Signature	

<b>INVENTOR 3</b>		
Family Name <b>BERNARD</b>	First Given Name <b>Anthony</b>	Second Given Name <b>F.</b>
City <b>Wexford</b>	State / Country <b>Pennsylvania, U.S.A.</b>	Citizenship <b>U.S.A.</b>
Post Office Address <b>2518 Lindenwood Drive</b>	City <b>Wexford</b>	State <b>Pennsylvania 15090</b>
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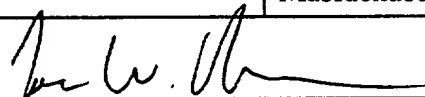
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City Pittsburgh	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 15 Roxbury Road	City Pittsburgh	State Pennsylvania 15221
Date	Signature	

INVENTOR 8		
Family Name RENEAU	First Given Name Jason	Second Given Name W.
City Boston	State / Country Massachusetts, U.S.A.	Citizenship U.S.A.
Post Office Address 403 Marlborough Street	City Boston	State Massachusetts 02115
Date 4/19/99	Signature 	

INVENTOR 9		
Family Name ROBERTS	First Given Name Frederick	Second Given Name W.
City Pittsburgh	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 5 Grandview Avenue, Apt. 803	City Pittsburgh	State Pennsylvania 15221
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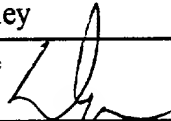
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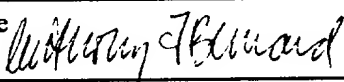
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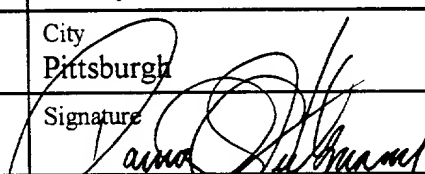
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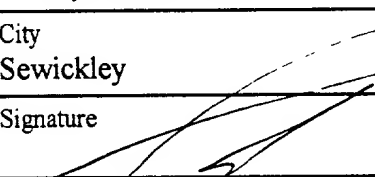
**PATENT**

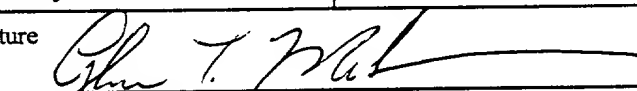
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Family Name KINNEY, JR.	First Given Name Sam	Second Given Name E.
City Sewickley	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 314 Maple Lane	City Sewickley	State Pennsylvania 15143
Date 3/26/99	Signature 	


INVENTOR 6		
Family Name MEAKEM	First Given Name Glen	Second Given Name T.
City Sewickley	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
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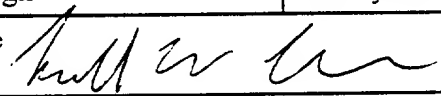
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Date <b>3/30/99</b>	Signature 	

INVENTOR 8		
Family Name <b>RENEAU</b>	First Given Name <b>Jason</b>	Second Given Name
City <b>Boston</b>	State / Country <b>Massachusetts, U.S.A.</b>	Citizenship <b>U.S.A.</b>
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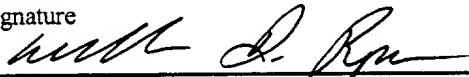
INVENTOR 9		
Family Name <b>ROBERTS</b>	First Given Name <b>Frederick</b>	Second Given Name <b>W.</b>
City <b>Pittsburgh</b>	State / Country <b>Pennsylvania, U.S.A.</b>	Citizenship <b>U.S.A.</b>
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AUCTIONS	)	

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

**POWER OF ATTORNEY BY ASSIGNEE**

The undersigned Assignee of the entire interest in the above-identified application hereby grants power of attorney to the registered practitioners of Morgan, Lewis & Bockius LLP included in the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to:

**Customer Number 009629**  
Patent Support Unit  
Morgan, Lewis & Bockius LLP  
1800 M Street, N.W.  
Washington, D.C. 20036-5869  
202-467-7176 (facsimile)

Please direct all telephone calls to C. Scott Talbot at 202-467-7750.

**CERTIFICATE UNDER 37 C.F.R. § 3.73(b)**

FreeMarkets OnLine, Inc., a United States corporation, certifies that it is:

1. ☒ an assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the application identified above by virtue of:

- A. An assignment from the inventor(s) of the application identified above. The assignment was recorded as follows:

FROM	TO	REEL/FRAME NO.
		Reel: Frame:

OR

- B. A chain of title from the inventors, of the application identified above, to the current assignee as shown below:

1. From: Marc Alaia  
To: FreeMarkets OnLine Inc.  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_,  
Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: Jason Reneau  
To: FreeMarkets OnLine, Inc.  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_,  
Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: David J. Becker, Anthony F. Bernard, Daniel C. Heckmann, Sam E. Kinney, Jr., Glen T. Meakem, Vincent F. Rago, Frederick W. Roberts, William D. Rupp, and Robert G. Stevens  
To: FreeMarkets OnLine, Inc.  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[x] Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the Assignee.

FreeMarkets OnLine, Inc.  
One Oliver Plaza  
210 Sixth Avenue  
Pittsburgh, Pennsylvania 15222

By: \_\_\_\_\_

Sam E. Kinney, Jr.  
Executive Vice President

Dated: \_\_\_\_\_

3/26/99



4 100-5004 JMT  
APN

**UNITED STATES DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JULY 16, 1999

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MORGAN, LEWIS & BOCKIUS LLP  
DUANE S. KOBAYASHI  
1800 M STREET, N.W.  
WASHINGTON, DC 20036

MORGAN, LEWIS & BOCKIUS LLP

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/27/1999

REEL/FRAME: 9945/0263  
NUMBER OF PAGES: 13

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ALAIA, MARC

DOC DATE: 04/06/1999

ASSIGNOR:

BECKER, DAVID

DOC DATE: 03/30/1999

ASSIGNOR:

BERNARD, ANTHONY

DOC DATE: 04/01/1999

ASSIGNOR:

HECKMANN, DANIEL

DOC DATE: 03/30/1999

ASSIGNOR:

KINNEY, JR., SAM

DOC DATE: 03/26/1999

ASSIGNOR:

MEAKEM, GLEN

DOC DATE: 03/30/1999

ASSIGNOR:

RAGO, VINCENT

DOC DATE: 03/30/1999

(2) 12849

ASSIGNOR:  
RENEAU, JASON

DOC DATE: 04/19/1999

ASSIGNOR:  
ROBERTS, FREDERICK

DOC DATE: 03/30/1999

ASSIGNOR:  
RUPP, WILLIAM

DOC DATE: 04/01/1999

ASSIGNOR:  
STEVENS, ROBERT

DOC DATE: 04/01/1999

ASSIGNEE:  
FREEMARKETS ONLINE, INC.  
ONE OLIVER PLAZA  
210 SIXTH AVENUE  
PITTSBURGH, PENNSYLVANIA 15222

SERIAL NUMBER: 09252790  
PATENT NUMBER:

FILING DATE: 02/19/1999  
ISSUE DATE:

JEEVON JONES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

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05-10-1999



101033269

DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney Docket No.: 046700-5004

To the Assistant Commissioner for Patents:  
Please record the attached original documents or copy thereof.

APR 27 1999

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):

Marc Alaia, David Becker, Anthony Bernard, Daniel Heckmann,  
Sam Kinney, Jr., Glen Meakem, Vincent Rago, Jason Reneau,  
Frederick Roberts, William Rupp, and Robert Stevens

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: FreeMarkets OnLine, Inc.

Internal Address:

Street Address: One Oliver Plaza  
210 Sixth Avenue

City: Pittsburgh

State: PA

Zip: 15222

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Dates: 3/26/99, 3/30/99, 4/1/99, 4/6/99, 4/19/99

4. Application number(s) or patent number(s):

If this document is being filed together with a new application the execution date of the application is:

A. Patent Application No.(s) 09/252,790

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name:

Internal Address: Customer No. 09629  
Morgan, Lewis & Bockius LLP

Street Address: 1800 M Street, N.W.

City: Washington State: D.C. Zip: 20036

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R §3.41): \$40.00

☒ Enclosed

☐ Authorized to be charged to deposit account 50-0310

8. Deposit account number: 50-0310

Attach duplicate of page if paying by deposit account

9. Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Duane S. Kobayashi

Name of Person Signing

Signature

April 27, 1999

Date

04/28/1999 CV08ACHA 00000026 09252790

Total number of pages including cover sheet, attachments and documents: 13

## ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

### METHOD AND SYSTEM FOR CONDUCTING ELECTRONIC AUCTIONS

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on February 19, 1999, (Serial No. 09/252,790); and

WHEREAS, FreeMarkets OnLine, Inc., a corporation of Delaware, whose post office address is One Oliver Plaza, 210 Sixth Avenue, Pittsburgh, Pennsylvania 15222 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

County of _____	_____ Marc Alaia Full Name of Sole or First Assignor
State of _____	SS. <u>113 Grandview Avenue, Glenshaw, PA 15116</u> Address
Subscribed and sworn to before me this ____ day of _____, 19__.	_____ First Assignor's Signature
_____ Notary Public	_____ Date
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

County of Allegheny  
State of Pennsylvania

David J. Becker  
Full Name of Second Assignor

SS. 22 Sewickley Hills Drive, Sewickley, Pennsylvania 15143  
Address

Subscribed and sworn to before me  
this 30 day of March, 1999

[Signature]  
Second Assignor's Signature

3.30.99  
Date

Notarial Seal  
Tina L. Fallert, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires June 14, 1999  
Member, Pennsylvania Association of Notaries

County of Allegheny  
State of Pennsylvania

Anthony F. Bernard  
Full Name of Third Assignor

SS. 2518 Lindenwood Drive, Wexford, Pennsylvania 15090  
Address

Subscribed and sworn to before me  
this 1 day of April, 1999

[Signature]  
Third Assignor's Signature

4/1/99  
Date

Notarial Seal  
Tina L. Fallert, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires June 14, 1999  
Member, Pennsylvania Association of Notaries

County of Allegheny  
State of Pennsylvania

Daniel C. Heckmann  
Full Name of Fourth Assignor

SS. 4889 East Willock Road, Pittsburgh, Pennsylvania 15227  
Address

Subscribed and sworn to before me  
this 30 day of March, 1999

[Signature]  
Fourth Assignor's Signature

3/30/1999  
Date

Notarial Seal  
Tina L. Fallert, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires June 14, 1999  
Member, Pennsylvania Association of Notaries

County of Allegheny  
State of Pennsylvania

Sam E. Kinney, Jr.  
Full Name of Fifth Assignor

SS. 314 Maple Lane, Sewickley, Pennsylvania 15143  
Address

Subscribed and sworn to before me  
this 26 day of March, 1999

[Signature]  
Fifth Assignor's Signature

3/26/99  
Date

Notarial Seal  
Tina L. Fallert, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires June 14, 1999  
Member, Pennsylvania Association of Notaries

Names of additional inventors attached ☒ Yes ☐ No

County of <u>Allegheny</u> State of <u>Pennsylvania</u>	_____ Glen T. Meakem Full Name of Sixth Assignor
	SS. <u>703 Cochran Street, Sewickley, Pennsylvania 15143</u> Address
Subscribed and sworn to before me this <u>30</u> day of <u>March</u> , 1999 <u>Tina L. Fallert</u> Notary Public	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"><p style="margin: 0;">Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries</p></div> <div style="text-align: center; margin-top: 10px;"> _____ Sixth Assignor's Signature <u>3/30/99</u> _____ Date</div>
County of <u>Allegheny</u> State of <u>Pennsylvania</u>	_____ Vincent F. Rago Full Name of Seventh Assignor
	SS. <u>15 Roxbury Road, Pittsburgh, Pennsylvania 15221</u> Address
Subscribed and sworn to before me this <u>30</u> day of <u>March</u> , 1999 <u>Tina L. Fallert</u> Notary Public	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"><p style="margin: 0;">Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries</p></div> <div style="text-align: center; margin-top: 10px;"> _____ Seventh Assignor's Signature <u>3/30/99</u> _____ Date</div>
County of _____ State of _____	_____ Jason Reneau Full Name of Eighth Assignor
	SS. <u>403 Marlborough Street, Boston, Massachusetts 02115</u> Address
Subscribed and sworn to before me this ____ day of _____, 19____ _____ Notary Public	_____ Eighth Assignor's Signature  _____ Date
County of <u>Allegheny</u> State of <u>Pennsylvania</u>	_____ Frederick W. Roberts Full Name of Ninth Assignor
	SS. <u>5 Grandview Avenue, Apt. 803, Pittsburgh, PA 15221</u> Address
Subscribed and sworn to before me this <u>30</u> day of <u>March</u> , 1999 <u>Tina L. Fallert</u> Notary Public	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"><p style="margin: 0;">Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries</p></div> <div style="text-align: center; margin-top: 10px;"> _____ Ninth Assignor's Signature <u>3/30/99</u> _____ Date</div>
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

County of Allegheny  
State of Pennsylvania

William D. Rupp  
Full Name of Tenth Assignor

SS. 2151 Cayuga Drive, Pittsburgh, Pennsylvania 15239  
Address

Subscribed and sworn to before me  
this 1 day of April, 1999

Notarial Seal  
Tina L. Fallert, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires June 14, 1999  
Member, Pennsylvania Association of Notaries

William D. Rupp  
Tenth Assignor's Signature

4/1/99  
Date

County of Allegheny  
State of Pennsylvania

Robert G. Stevens  
Full Name of Eleventh Assignor

SS. 5518 Ellsworth Avenue, Apt. 1, Pittsburgh, PA 15232  
Address

Subscribed and sworn to before me  
this 1 day of April, 1999

Notarial Seal  
Tina L. Fallert, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires June 14, 1999  
Member, Pennsylvania Association of Notaries

Robert G. Stevens  
Eleventh Assignor's Signature

4/1/99  
Date

Names of additional inventors attached ☐ Yes ☒ No

## ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

### METHOD AND SYSTEM FOR CONDUCTING ELECTRONIC AUCTIONS

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on February 19, 1999, (Serial No. 09/252,790); and

WHEREAS, FreeMarkets OnLine, Inc., a corporation of Delaware, whose post office address is One Oliver Plaza, 210 Sixth Avenue, Pittsburgh, Pennsylvania 15222 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

County of <u>Allegheny</u>	<u>Marc Alaja</u> Full Name of Sole or First Assignor
State of <u>Pennsylvania</u>	SS. <u>113 Grandview Avenue, Glenshaw, PA 15116</u> Address
Subscribed and sworn to before me this <u>12</u> day of <u>April</u> , 1999	<u>[Signature]</u> First Assignor's Signature
<u>[Signature]</u> Notary Public	<u>April 6, 1999</u> Date
Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries	
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

WA01B/8831.1

<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">Glen T. Meakem Full Name of Sixth Assignor</p> <p>SS. <u>703 Cochran Street, Sewickley, Pennsylvania 15143</u> Address</p> <p style="text-align: center;">_____ Sixth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">Vincent F. Rago Full Name of Seventh Assignor</p> <p>SS. <u>15 Roxbury Road, Pittsburgh, Pennsylvania 15221</u> Address</p> <p style="text-align: center;">_____ Seventh Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">Jason Reneau Full Name of Eighth Assignor</p> <p>SS. <u>403 Marlborough Street, Boston, Massachusetts 02115</u> Address</p> <p style="text-align: center;">_____ Eighth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">Frederick W. Roberts Full Name of Ninth Assignor</p> <p>SS. <u>5 Grandview Avenue, Apt. 803, Pittsburgh, PA 15221</u> Address</p> <p style="text-align: center;">_____ Ninth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>Names of additional inventors attached <input checked="checked" type="checkbox"/> Yes <input type="checkbox"/> No</p>	

<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ William D. Rupp Full Name of Tenth Assignor</p> <p>SS. <u>2151 Cayuga Drive, Pittsburgh, Pennsylvania 15239</u> Address</p> <p style="text-align: center;">_____ Tenth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ Robert G. Stevens Full Name of Eleventh Assignor</p> <p>SS. <u>5518 Ellsworth Avenue, Apt. 1, Pittsburgh, PA 15232</u> Address</p> <p style="text-align: center;">_____ Eleventh Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>Names of additional inventors attached    <input type="checkbox"/> Yes    <input checked="" type="checkbox"/> No</p>	

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

METHOD AND SYSTEM FOR CONDUCTING ELECTRONIC AUCTIONS

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on February 19, 1999, (Serial No. 09/252,790); and

WHEREAS, FreeMarkets OnLine, Inc., a corporation of Delaware, whose post office address is One Oliver Plaza, 210 Sixth Avenue, Pittsburgh, Pennsylvania 15222 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

County of _____	_____ Marc Alaia Full Name of Sole or First Assignor
State of _____	SS. <u>113 Grandview Avenue, Glenshaw, PA 15116</u> Address
Subscribed and sworn to before me this ____ day of _____, 19____.	_____ First Assignor's Signature
_____ Notary Public	_____ Date
Names of additional inventors attached [X] Yes [ ] No	

<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ David J. Becker Full Name of Second Assignor</p> <p>SS. <u>22 Sewickley Hills Drive, Sewickley, Pennsylvania 15143</u> Address</p> <p style="text-align: center;">_____ Second Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ Anthony F. Bernard Full Name of Third Assignor</p> <p>SS. <u>2518 Lindenwood Drive, Wexford, Pennsylvania 15090</u> Address</p> <p style="text-align: center;">_____ Third Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ Daniel C. Heckmann Full Name of Fourth Assignor</p> <p>SS. <u>4889 East Willock Road, Pittsburgh, Pennsylvania 15227</u> Address</p> <p style="text-align: center;">_____ Fourth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ Sam E. Kinney, Jr. Full Name of Fifth Assignor</p> <p>SS. <u>314 Maple Lane, Sewickley, Pennsylvania 15143</u> Address</p> <p style="text-align: center;">_____ Fifth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>Names of additional inventors attached <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p>	

County of \_\_\_\_\_

State of \_\_\_\_\_

Glen T. Meakem

Full Name of Sixth Assignor

SS. 703 Cochran Street, Sewickley, Pennsylvania 15143  
AddressSubscribed and sworn to before me  
this \_\_\_\_ day of \_\_\_\_\_, 19\_\_.\_\_\_\_\_  
Sixth Assignor's Signature\_\_\_\_\_  
Notary Public\_\_\_\_\_  
Date

County of \_\_\_\_\_

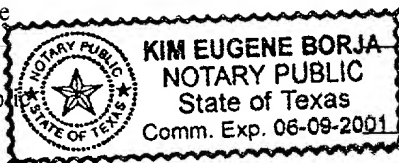
State of \_\_\_\_\_

Vincent F. Rago

Full Name of Seventh Assignor

SS. 15 Roxbury Road, Pittsburgh, Pennsylvania 15221  
AddressSubscribed and sworn to before me  
this \_\_\_\_ day of \_\_\_\_\_, 19\_\_.\_\_\_\_\_  
Seventh Assignor's Signature\_\_\_\_\_  
Notary Public\_\_\_\_\_  
DateCounty of HARRISState of TEXASJason Reneau

Full Name of Eighth Assignor

SS. 403 Marlborough Street, Boston, Massachusetts 02115  
AddressSubscribed and sworn to before me  
this 19 day of APRIL, 1999.Jason W. Reneau  
Eighth Assignor's SignatureKim Eugene Borja  
Notary Public4/19/1999  
Date

County of \_\_\_\_\_

State of \_\_\_\_\_

Frederick W. Roberts

Full Name of Ninth Assignor

SS. 5 Grandview Avenue, Apt. 803, Pittsburgh, PA 15221  
AddressSubscribed and sworn to before me  
this \_\_\_\_ day of \_\_\_\_\_, 19\_\_.\_\_\_\_\_  
Ninth Assignor's Signature\_\_\_\_\_  
Notary Public\_\_\_\_\_  
Date

Names of additional inventors attached [X] Yes [ ] No

<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ William D. Rupp Full Name of Tenth Assignor</p> <p>SS.    <u>2151 Cayuga Drive, Pittsburgh, Pennsylvania 15239</u> Address</p> <p style="text-align: center;">_____ Tenth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ Robert G. Stevens Full Name of Eleventh Assignor</p> <p>SS.    <u>5518 Ellsworth Avenue, Apt. 1, Pittsburgh, PA 15232</u> Address</p> <p style="text-align: center;">_____ Eleventh Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>Names of additional inventors attached    <input type="checkbox"/> Yes    <input checked="" type="checkbox"/> No</p>	